(FILE 'HOME' ENTERED AT 12:05:52 ON 12 APR 2005)

FILE 'REGISTRY' ENTERED AT 12:06:10 ON 12 APR 2005
L1          STRUCTURE UPLOADED
L2       14 S L1
L3      195 S L1 FULL
L4        2 S ABAMECTIN/CN OR AVERMECTIN/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:08:05 ON 12 APR 2005
L5      430 S L3
L6     4086 S ABAMECTIN OR AVERMECTIN OR L4
L7       88 S L5 AND L6

FILE 'REGISTRY' ENTERED AT 12:10:20 ON 12 APR 2005
L8        1 S ABAMECTIN/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:11:03 ON 12 APR 2005
L9     1907 S ABAMECTIN OR L8

FILE 'REGISTRY' ENTERED AT 12:11:50 ON 12 APR 2005
L10       1 S ABAMECTIN/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:13:16 ON 12 APR 2005
L11       74 S L9 AND L5
L12        0 S L9 (P) L5
L13      401 S L5 AND (PESTICID? OR INSECTICID?)
L14      185 S L5 (P) (PESTICID? OR INSECTICID?)
L15      162 S L14 NOT L11
L16   136481 S (APPL? OR TREAT? OR CONTACT?) (3A) (PLANT OR SEED OR FOILAGE
L17      130 S L16 AND L5
L18       28 S L16 (P) L5
L19     1472 S L9 AND (INSECTICID? OR PESTICID?)
L20      702 S L9 (P) (INSECTICID? OR PESTICID?)
L21      904 S ACARI? AND L9
L22      231 S ACARI? (P) L9
L23       80 S ACARI? (3A) L9
L24       74 S ACARI? (2A) L9
L25       30 S ACARI? (A) L9

ACCESSION NUMBER:       1997:26288   CAPLUS
DOCUMENT NUMBER:        126:74876
TITLE:                  Preparation of 5-(tetrahydrofuran-3-yl)methyl-4-
                        nitroiminoperhydro-1,3,5-oxadiazine derivatives as
                        insecticides
INVENTOR(S):            Matsuo, Shingo; Wakita, Takeo; Odaka, Kenji;
                        Shiraishi, Shiro
PATENT ASSIGNEE(S):     Mitsui Toatsu Chemicals, Japan
SOURCE:                 Jpn. Kokai Tokkyo Koho, 6 pp.
                        CODEN: JKXXAF
DOCUMENT TYPE:          Patent
LANGUAGE:               Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
| --- | --- | --- | --- | --- |
| JP 08291171 | A2 | 19961105 | JP 1995-95147 | 19950420 |

PRIORITY APPLN. INFO.:                       JP 1995-95147        19950420
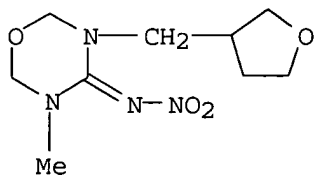OTHER SOURCE(S):        MARPAT 126:74876

AB   The title compds. (I; R = Cl-3 alkyl), which show a broad spectrum of
     excellent herbicidal activity in spite of lacking 1-oxidopyridiniomethyl
     or thiazolylmethyl structure, are prepared  Thus, 3-methyl-4-
     nitroiminoperhydro-1,3,5-oxadiazine was alkylated by tetrahydrofuran-3-
     nylmethyl mesylate (preparation given) in the presence of K2CO3 in DMF at
     80° for 1 h to give 40% I (R = Me).  This compound at 100 ppm killed
     100% adult Laodelphax striatellus and Nephotettix cincticeps on rice
     seedlings and adult Spodoptera litura on sweet potato leaves.
IT   185043-87-2P
     RL: AGR (Agricultural use); BAC (Biological activity or effector, except
     adverse); BSU (Biological study, unclassified); SPN (Synthetic
     preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
        (preparation of (tetrahydrofuranylmethyl)(nitroimino)perhydrooxadiazine
        derivs. as insecticides)
RN   185043-87-2  CAPLUS
CN   4H-1,3,5-Oxadiazin-4-imine, tetrahydro-3-methyl-N-nitro-5-[(tetrahydro-3-
     furanyl)methyl]- (9CI)  (CA INDEX NAME)

ACCESSION NUMBER:          1995:215018  CAPLUS
DOCUMENT NUMBER:           122:3516
TITLE:                     Avermectins-a new group of pesticides for plant
                           protection
AUTHOR(S):                 Baranowski, Tadeusz
CORPORATE SOURCE:          Akademia Rolnicza, Poznan, 60-594, Pol.
SOURCE:                    Materialy Sesji Naukowej Instytutu Ochrony Roslin
                           (Poznan) (1992), Volume Date 1991, 31(1), 214-20
                           CODEN: MSNRD5; ISSN: 0208-4414
PUBLISHER:                 Panstwowe Wydawnictwo Rolnicze i Lesne, Oddzial w
                           Poznaniu
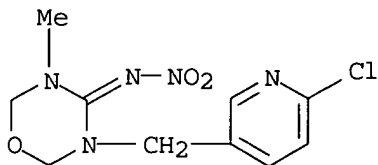DOCUMENT TYPE:             Journal
LANGUAGE:                  Polish

AB   Avermectin (abamectin) is a new product for the control of harmful spider
     mites (Tetranychus urticae) and leafminers (Liriomyza spp.) on ornamental
     crops.  It is a natural product produced by the soil microorganism
     Streptomyces avermicilis.  Abamectin has a unique mode of action.  It is
     chemical unrelated to any other miticide or insecticide.  Abamectin is
     nonphytotoxic at the recommended dose rate on virtually all varieties
     tested.  Abamectin leaves no visible residue, but provides a reservoir of
     long-lasting activity within the leaf.  It is not considered disruptive to
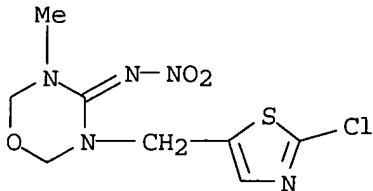     natural predators or beneficial insects.

ACCESSION NUMBER:　　　　　1995:967179　CAPLUS
DOCUMENT NUMBER:　　　　　124:8855
TITLE:　　　　　　　　　　Preparation of nitroiminotetrahydrooxadiazines as
　　　　　　　　　　　　　insecticides
INVENTOR(S):　　　　　　　Moriie, Koichi; Ootsu, Juichi; Hatsutori, Yumi;
　　　　　　　　　　　　　Watanabe, Akira; Ito, Akimi
PATENT ASSIGNEE(S):　　　Nihon Tokushu Noyaku Seizo Kk, Japan
SOURCE:　　　　　　　　　Jpn. Kokai Tokkyo Koho, 12 pp.
　　　　　　　　　　　　　CODEN: JKXXAF
DOCUMENT TYPE:　　　　　　Patent
LANGUAGE:　　　　　　　　Japanese
FAMILY ACC. NUM. COUNT:　1
PATENT INFORMATION:

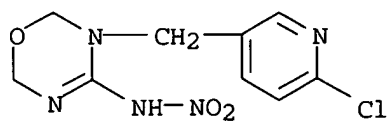| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| JP 07224062 | A2 | 19950822 | JP 1994-35254 | 19940209 |
| JP 3159859 | B2 | 20010423 | | |

PRIORITY APPLN. INFO.:　　　　　　　　　JP 1994-35254　　　　　19940209
OTHER SOURCE(S):　　　　　MARPAT 124:8855
AB　　The title compds. I [A = 6-chloro-3-pyridyl, etc.; R1 = H, methyl; X = O,
　　　S; R2 = H, alkyl; Y = nitro, etc.; a proviso is given] are prepared　The
　　　title compound II (preparation given) at 400 ppm gave 100% control of Myzus
　　　persicae.
IT　　**153719-22-3P 153719-23-4P 171103-03-0P**
　　　**171103-04-1P**
　　　RL: AGR (Agricultural use); BAC (Biological activity or effector, except
　　　adverse); BSU (Biological study, unclassified); SPN (Synthetic
　　　preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
　　　　　(preparation of nitroiminotetrahydrooxadiazines as **insecticides**)
RN　　153719-22-3　CAPLUS
CN　　4H-1,3,5-Oxadiazin-4-imine, 3-[(6-chloro-3-pyridinyl)methyl]tetrahydro-5-
　　　methyl-N-nitro- (9CI)　(CA INDEX NAME)



RN　　153719-23-4　CAPLUS
CN　　4H-1,3,5-Oxadiazin-4-imine, 3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-
　　　methyl-N-nitro- (9CI)　(CA INDEX NAME)



RN　　171103-03-0　CAPLUS
CN　　2H-1,3,5-Oxadiazin-4-amine, 3-[(6-chloro-3-pyridinyl)methyl]-3,6-dihydro-N-
　　　nitro- (9CI)　(CA INDEX NAME)

RN    171103-04-1   CAPLUS
CN    2H-1,3,5-Oxadiazin-4-amine, 3-[(2-chloro-5-thiazolyl)methyl]-3,6-dihydro-N-
      nitro- (9CI)   (CA INDEX NAME)